

2-glycoprotein I); EC 3.4.21.36 (Pancreatic Elastase)

=> d his

(FILE 'HOME' ENTERED AT 08:55:04 ON 21 JUL 2004)
SET COST OFF

FILE 'HCAPLUS' ENTERED AT 08:55:31 ON 21 JUL 2004

```

L1      1 S (W099-EP9440 OR EP98-122969)/AP,PRN
        E SONDERMANN P/AU
L2      24 S E3,E4
        E SONDERMAN P/AU
        E HUBER R/AU
L3      1139 S E3-E14,E40-E48
        E HUEBER R/AU
L4      6 S E3,E4,E6
        E HEUBER R/AU
        E JACOB U/AU
L5      50 S E3,E7
        E MAX PLANCK/PA,CS
        E MAXPLANC/PA,CS
L6      92521 S (MAXPLANC? OR MAX() PLANC?)/PA,CS
L7      3 S E45-E49
        E MAX-PLA/PA,CS
        E MAXPLA/PA,CS
        E MAX PLA/PA,CS
L8      3 S E5-E7
        E MAX PLAU/PA,CS
L9      10 S E5-E14
        E FC RECEPTOR/CT
        E E58+ALL
L10     19 S E2
        E FC RECEPTOR/CT
        E E31+ALL
L11     202 S E2 (L) (IIB OR IIC)
        E FC
        E FCGAMMA
L12     3 S E3 (L) (IIB OR IIC)
L13     1 S E10
L14     84 S E26-E29
L15     529 S FC? (L) (IIB OR IIC OR RIIB OR RIIC OR R() (IIB OR IIC))
L16     414 S FC(L)RECEPTOR?(L) (IIB OR IIC OR RIIB OR RIIC OR R() (IIB OR II
L17     358 S L16 (L) GAMMA
L18     398 S L15 (L) ?GAMMA?
L19     358 S L16 (L) ?GAMMA?
L20     452 S L17-L19,L10-L14
L21     121 S L15-L19 NOT L20
L22     46 S L21 AND IMMUNOGLOBULIN
L23     397 S L20 AND IMMUNOGLOBULIN
L24     55 S L20 NOT L23
L25     498 S L20,L22-L24
L26     75 S L10-L24 NOT L25
L27     37 S L25 AND RECOMBIN?
L28     38 S L25 AND CHIMER?
L29     67 S L27,L28
        E RECOMBINANT/CT
        E E47+ALL
L30     42218 S E1+NT
        E E7+ALL
L31     16654 S E3,E4,E2+NT
L32     26 S L25 AND L30,L31
        E IMMUNOGLOGULIN/CT

```

```

      E IMMUNOGLOBULIN/CT
      E E35+ALL
L33    72507 S E9+OLD,NT,PFT,RT
L34    56 S L33 AND L29,L32
L35    12 S L29,L32 NOT L34
      SEL DN AN 6
L36    1 S L35 AND E1-E3
L37    8 S L34 NOT ?GAMMA?
L38    7 S L37 AND TYPE() (II OR IIB OR IIC OR IIA)
L39    6 S L37 AND TYPE() (IIB OR IIC)
L40    6 S L37 AND IGG()TYPE() (IIB OR IIC)
L41    5 S L40 NOT MHC/TI
L42    3 S L37 NOT L41
L43    57 S L34,L36,L41
L44    11 S L2-L9 AND L25
L45    3 S L44 AND (RECOMB? OR CHIMER?)
L46    3 S L1,L45
L47    8 S L44 NOT L46
L48    7 S L47 NOT SHIP
L49    10 S L46,L48
L50    19 S L43 AND (PY<=1998 OR PRY<=1998 OR AY<=1998)
L51    27 S L49,L50
L52    27 S L51 AND (IIB OR IIC OR ?RIIB OR ?RIIC OR FC? OR ?GAMMA? OR IM

```

```

FILE 'HCAPLUS' ENTERED AT 09:30:47 ON 21 JUL 2004
      SEL RN L1

```

```

FILE 'REGISTRY' ENTERED AT 09:31:09 ON 21 JUL 2004
L53    21 S E4-E24
L54    12 S L53 AND PROTEIN/FS
L55    1 S L54 AND 185/SQL

```

```

FILE 'HCAPLUS' ENTERED AT 09:31:43 ON 21 JUL 2004
L56    1 S L55

```

```

FILE 'REGISTRY' ENTERED AT 09:31:55 ON 21 JUL 2004

```

```

FILE 'HCAPLUS' ENTERED AT 09:33:19 ON 21 JUL 2004
L57    5300 S FC?(L) (III OR RIII OR R III)
L58    1349 S L57(L) ?GAMMA?
L59    1054 S FC(L)RECEPTOR?(L) (III OR RIII OR R III) (L) ?GAMMA?
L60    1349 S L58,L59
L61    148 S L60 AND (RECOMBINA? OR CHIMER?)
L62    18 S L60 AND L30,L31
L63    149 S L61,L62
L64    132 S L63 AND IMMUNOGLOBULIN
L65    17 S L63 NOT L64
L66    103 S L64 AND (PY<=1998 OR PRY<=1998 OR AY<=1998)
L67    14 S L2-L9 AND L60
L68    2 S L67 AND L63
L69    1 S L68 NOT RECOMBINASE
L70    12 S L67 NOT L68
L71    10 S L70 NOT (ULTRASONIC OR INTERLEUKIN)/TI
L72    34 S L69,L71,L52
L73    103 S L66 AND ?GAMMA?
L74    103 S L73 AND FC?
L75    83 S L74 AND III
L76    94 S L74 AND ?RIII
L77    103 S L75,L76
L78    9 S L74 NOT L76
L79    8 S L78 AND TYPE III
L80    103 S L77,L76
L81    12 S L80 AND P/DT

```

```
SEL DN AN 1 3 4 8
L82      4 S E25-E36
L83      96 S L80 NOT L52,L72,L82
          SEL DN AN 30 50 51 71 85 93
L84      6 S E37-E54
L85      44 S L52,L72,L82,L84 AND L1-L52,L56-L84
L86      30 S L85 AND (PY<=1998 OR PRY<=1998 OR AY<=1998)
L87      14 S L85 NOT L86
L88      17 S L85 AND L1-L9
L89      17 S L87,L88
L90      27 S L85 NOT L89
```

FILE 'HCAPLUS' ENTERED AT 10:06:09 ON 21 JUL 2004

FILE 'MEDLINE' ENTERED AT 10:06:49 ON 21 JUL 2004

```
E FC RECEPTOR/CT
E E6+ALL
E E2+ALL
L91      4709 S E27
          E RECOMBINANT/CT
L92      185 S E13+NT AND L91
L93      497 S E77+NT AND L91
L94      497 S L92,L93
L95      331 S L94 AND PY<=1998
L96      86 S L95 AND (?RIIB? OR ?RIII?)
L97      43 S L95 AND (IIB? OR III?)
L98      106 S L96,L97
L99      104 S L98 AND FC?
L100     94 S L99 AND ?GAMMA?
L101     12 S L98 NOT L100
L102     82 S L100/HUM
L103     12 S L100 NOT L102
L104     20 S L91 AND (SONDERMAN? OR HUBER ? OR HEUBER ? OR HUEBER ? OR JAC
L105      5 S L104 AND PY<=1998
L106      8 S L104 AND ?RIIB
L107      5 S L104 AND ?RIII
L108     11 S L106,L107
```

FILE 'MEDLINE' ENTERED AT 10:15:16 ON 21 JUL 2004

L109 9 S L108 NOT (JACOB C? OR JACOB A?)/AU

=>

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: July 14, 2004, 06:36:34 ; Search time 19 Seconds
(without alignments)
502.674 Million cell updates/sec

Title: US-09-856-933-3

Perfect score: 1006

Sequence: 1 MGTPAAPKAVLKLEPQWIN.....SSKPVITVQAPSSPMGII 185

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgm2_6/ptodata/2/iaa/5A COMB.pbp:*
- 2: /cgm2_6/ptodata/2/iaa/5B COMB.pbp:*
- 3: /cgm2_6/ptodata/2/iaa/6A COMB.pbp:*
- 4: /cgm2_6/ptodata/2/iaa/6B COMB.pbp:*
- 5: /cgm2_6/ptodata/2/iaa/ECTUS COMB.pbp:*
- 6: /cgm2_6/ptodata/2/iaa/backfiles1.pbp:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query	Score	Match	Length	DB ID	Description
1	930	92.4	170	4	US-09-245-764-6	Sequence 6, Appli
2	921.5	91.6	307	2	US-08-332-562A-83	Sequence 83, Appli
3	921	91.6	170	4	US-09-245-764-5	Sequence 5, Appli
4	885.5	88.0	345	2	US-08-332-562A-132	Sequence 132, App
5	884	87.9	170	4	US-09-245-764-10	Sequence 10, Appli
6	883	87.8	171	4	US-09-245-764-14	Sequence 14, Appli
7	877	87.2	171	4	US-09-245-764-15	Sequence 15, Appli
8	874	86.9	170	4	US-09-245-764-12	Sequence 12, Appli
9	873	86.8	171	4	US-09-245-764-3	Sequence 3, Appli
10	869	86.4	170	4	US-09-245-764-11	Sequence 11, Appli
11	611	60.7	283	2	US-08-332-562A-136	Sequence 136, App
12	611	60.7	330	2	US-08-332-562A-81	Sequence 81, Appli
13	597	59.3	330	2	US-08-332-562A-134	Sequence 134, App
14	577	57.4	261	2	US-08-332-562A-133	Sequence 133, App
15	451	44.8	87	2	US-08-332-562A-90	Sequence 90, Appli
16	447.5	44.5	233	2	US-08-667-939A-7	Sequence 7, Appli
17	447.5	44.5	233	2	US-08-433-123-7	Sequence 7, Appli
18	438.5	43.6	233	2	US-08-667-939A-5	Sequence 5, Appli
19	438.5	43.6	233	4	US-08-433-123-5	Sequence 5, Appli
20	438	43.5	174	4	US-09-245-764-8	Sequence 8, Appli
21	437.5	43.5	233	2	US-08-667-939A-6	Sequence 6, Appli
22	437.5	43.5	233	4	US-08-433-123-6	Sequence 6, Appli
23	434	43.1	254	2	US-08-667-939A-4	Sequence 4, Appli
24	434	43.1	254	2	US-08-433-123-4	Sequence 4, Appli
25	433.5	43.1	233	2	US-08-667-939A-8	Sequence 8, Appli
26	433.5	43.1	233	4	US-08-433-123-8	Sequence 8, Appli
27	433	43.0	254	2	US-08-667-939A-2	Sequence 2, Appli

28	433	43.0	254	4	US-08-433-123-2	Sequence 2, Appli
29	432	42.9	254	2	US-08-667-939A-3	Sequence 3, Appli
30	432	42.9	254	4	US-08-433-123-3	Sequence 3, Appli
31	428	42.5	203	2	US-08-667-939A-20	Sequence 20, Appli
32	428	42.5	203	4	US-08-433-123-20	Sequence 20, Appli
33	428	42.5	215	2	US-08-667-939A-18	Sequence 18, Appli
34	428	42.5	215	4	US-08-433-123-18	Sequence 18, Appli
35	428	42.5	254	2	US-08-667-939A-9	Sequence 9, Appli
36	428	42.5	254	4	US-08-433-123-9	Sequence 9, Appli
37	422	41.9	254	2	US-08-667-939A-1	Sequence 1, Appli
38	422	41.9	254	4	US-08-433-123-1	Sequence 1, Appli
39	412.5	41.0	83	2	US-08-332-562A-91	Sequence 91, Appli
40	394	39.2	261	4	US-09-245-764-7	Sequence 7, Appli
41	352	35.0	199	3	US-08-833-488B-14	Sequence 14, Appli
42	351	34.9	173	3	US-08-833-488B-31	Sequence 31, Appli
43	351	34.9	197	3	US-08-833-488B-28	Sequence 28, Appli
44	351	34.9	229	3	US-08-833-488B-24	Sequence 24, Appli
45	351	34.9	253	3	US-08-833-488B-20	Sequence 20, Appli

ALIGNMENTS

RESULT 1
US-09-245-764-6
; Sequence 6, Application US/09245764
; Patent No. 6675105
; GENERAL INFORMATION:
; APPLICANT: Hogarth, P. Mark
; APPLICANT: Powell, Maree S.
; APPLICANT: McKenzie, Ian F.C.
; APPLICANT: Maxwell, Kelly F.
; APPLICANT: Garrett, Thomas P.J.
; APPLICANT: Epa, Vidana
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES AND MODELS OF FC RECEPTORS
; FILE REFERENCE: 4102-4
; CURRENT APPLICATION NUMBER: US/09/245,764
; EARLIER FILING DATE: 1998-02-05
; EARLIER APPLICATION NUMBER: 60/099,994
; EARLIER FILING DATE: 1998-09-11
; EARLIER APPLICATION NUMBER: 60/073,972
; EARLIER FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 6
; LENGTH: 170
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-245-764-6

Query Match 92.4%; Score 930; DB 4; Length 170;
Best Local Similarity 100.0%; Pred. No. 3e-87;
Matches 170; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy	6	APPKAVLKLEPQWNLVLOEDSVTLTCRGTHSPESDSIQWFHNGNLIPTHTOPSVEFKANN	65
Db	1	APPKAVLKLEPQWNLVLOEDSVTLTCRGTHSPESDSIQWFHNGNLIPTHTOPSVEFKANN	60
Oy	66	NDSGEYTCQTGTSLSLSDPVLHVLSEWLVLTQPHLEFQEGETIVLRCHSWKDKPLVKVTF	125
Db	61	NDSGEYTCQTGTSLSLSDPVLHVLSEWLVLTQPHLEFQEGETIVLRCHSWKDKPLVKVTF	120
Oy	126	PQNGKSKFSDNFNFSIPQANHSGDYHCTGNIGYTLYSKPVITVQ	175
Db	121	PQNGKSKFSDNFNFSIPQANHSGDYHCTGNIGYTLYSKPVITVQ	170

RESULT 2
US-08-332-562A-83
; Sequence 83, Application US/08332562A
; Patent No. 5985599
; GENERAL INFORMATION: